



PATENT SPECIFICATION

Application Date: Dec. 23, 1931. No. 35,548/31.

Complete Left: May 24, 1932.

Complete Accepted: Nov. 17, 1932.

PROVISIONAL SPECIFICATION.

Improvements in or relating to Binding Posts for Loose Leaf Binders and the like.

I, GUY PHILIP ROBINSON, Director, a Subject of the King of Great Britain, of 143, Farringdon Road, Clerkenwell, London, E.C.1, do hereby declare the nature of this invention to be as follows:—

This invention relates to binding posts for loose leaf binders and the like for papers, sheets, pamphlets, periodicals and the like and of the kind comprising two telescoping parts having interengaging means by which the parts of the post are connected together.

With such binding posts at present in use the parts of the interengaging means are such that they may be disengaged when desired. In contradistinction the present invention comprises a binding post for loose leaf binders and the like comprising two telescoping parts having interengaging parts which when the parts of the post are placed together will interengage to provide a permanent engagement of the parts.

One part of the binding post may have a longitudinal slot with a lateral slot extending therefrom and the other part have a projection which when the two parts are interengaged can be forced into the slot of the one part to prevent subsequent disengagement of the parts.

The lateral slot may extend on both sides of the longitudinal slot and if desired a plurality of lateral slots may be provided with which the projection on the one part of the binding post can be caused to engage in succession.

In one form of the present invention the binding post comprises a pair of telescoping tubular parts. The outer part has extending across it and towards the top a bar of triangular section with the base towards the bottom. The other part which is also tubular and of a size to move into the outer part has a pair of longitudinal slots extending from one end towards the other and arranged diametrically. Towards the top or inner end of said longitudinal slots a number of spaced lateral slots is provided which extend on both sides of the longitudinal slots. These lateral slots are of triangular shape corresponding to the shape

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of the bar extending across the outer part of the binding post. The top of the inner part is provided with a plate to constitute clamping means for the papers or the like which will be engaged with the binding post. The outer parts of a pair of binding posts are mounted in a cover or on a base plate which is in turn secured in a cover in the usual way. The papers or the like to be filed are punched with holes to engage the binding posts and are placed in position thereon. The inner parts of the binding posts are then engaged with the outer parts and are moved thereinto until the bar on the outer part engages a lateral slot of the inner part. When this has happened it will be impossible to remove the inner part from the outer part and the two parts will be permanently locked together so that the papers or the like engaging the binding posts will be held permanently in position. The inner part of each binding post is moved to a position to cause its enlarged top to clamp the papers or the like in position, the number of papers depending on which lateral slot of the inner part is engaged by the bar of the outer part.

It will be understood that in desired the inner parts of several binding posts may be mounted on a bar in the usual way in loose leaf binders.

Various modifications may be made without departing from the invention. For example, instead of the connecting means comprising a bar on the one part and lateral slots on the other it might comprise a ratchet mounted on the inner part to move over the bar in the outer part. The outer part may be provided with an inward projection such as a bar and the inner part with the slot or slots.

The outer part may have the slots and the inner part an outwardly projecting part or parts to engage and be locked in the slots. The telescoping parts may be of any desired shape in section.

Dated this 23rd day of December, 1931

JOHN E. RAWORTH & MOSS,
Chartered Patent Agents.

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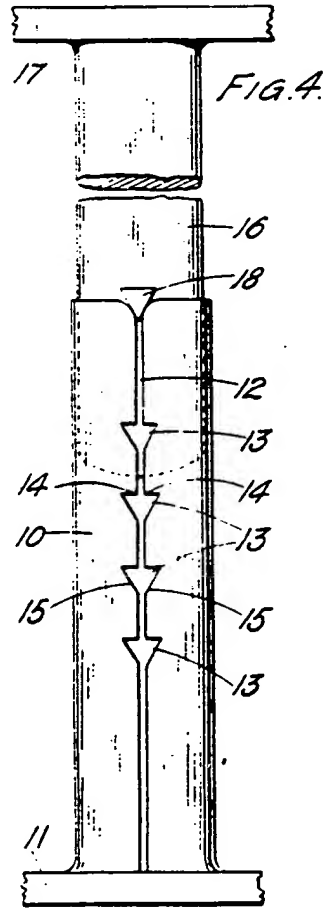
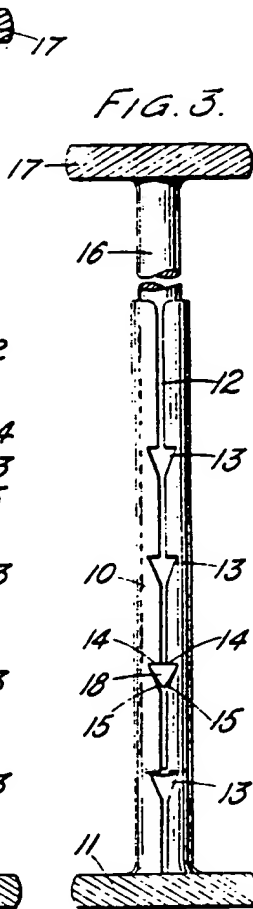
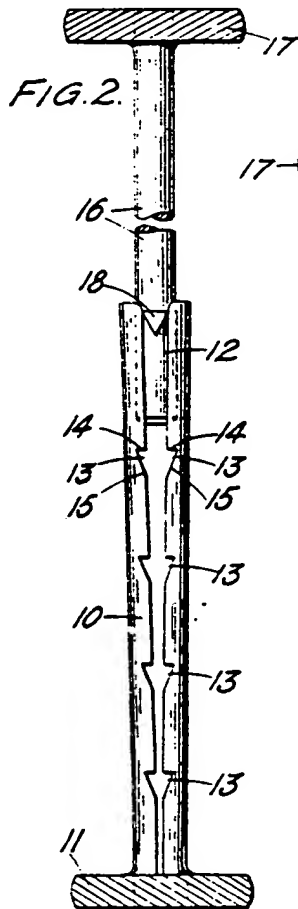
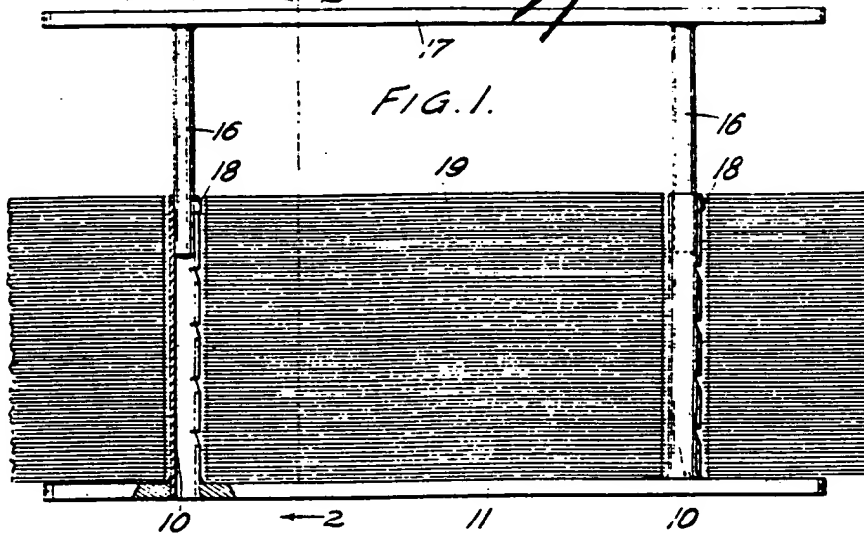
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COMPLETE SPECIFICATION.

Improvements in or relating to Binding Posts for Loose Leaf Binders and the like.

I, GUY PHILIP ROBINSON, Director, a Subject of the King of Great Britain, of 149, Farringdon Road, Clerkenwell, London, E.C.1, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to binding posts for loose leaf binders and the like for papers, sheets, pamphlets, periodicals and the like and of the kind comprising two telescoping parts having inter-engaging means by which the parts of the post are connected together.

The present invention comprises in or for a loose leaf binder or the like a binding post comprising two parts of which one is tubular and is adapted to receive the other part within its tubular portion, one part being provided with a longitudinal slot extending from one end and with a lateral slot extending laterally from the longitudinal slot, and the other part being provided with a projection which when the two parts are forced together will slide along the longitudinal slot so as to be forced into the lateral slot to provide a permanent and non-releasable engagement of the two parts.

The lateral slot may extend on both sides of the longitudinal slot and if desired a plurality of lateral slots may be provided with which the projection on the other part of the binding post can be caused to engage in succession.

Forms of the present invention will now be described by way of example and with reference to the accompanying drawing wherein:—

Fig. 1 shows a side elevation of one form of binding means for papers with the clamping bar partly in position,

Fig. 2 shows a side elevation on the line 2—2 of Fig. 1 with the papers removed.

Fig. 3 shows a similar view to Fig. 2 with the clamping bar in a lower position, and

Fig. 4 shows a modified form of the invention.

Referring to Figs. 1, 2 and 3, 10, 10 are outer tubular members of a pair of binding posts which are mounted on a base plate 11. Each tube 10 is slotted longitudinally at 12 and has V-shaped notches 13 cut into the side

walls and extending on both sides of the slot. These notches have horizontal or substantially horizontal upper walls 14 and sloping walls 15 connecting their inner ends with the walls of the slot 12. A number of these notches 13 are provided at different heights. Co-operating with the tubular parts 10 are rods 16 carried on a plate 17 and each rod has a projection 18 so directed that they will enter the slots 12 in the tubular parts 10. The projections 18 are triangular and similar in shape and of substantially the same size as the notches 13 so that they may be caused to engage said notches. The rods 16 project substantially at the right angles to the papers 19. The papers 19 and the binding means are indicated at 20. The rods 16 are provided with holes to engage the tubular members 10 and are placed in position thereon. The rods 16 are then engaged with the tubular outer parts 10 and are moved thereinto until the papers 19 are clamped in position and the projections 18 engage notches 13 of the tubular parts. When this has happened the tubular parts 10 and rods 16 will be permanently locked together so that the papers will be held permanently in position. The parts described as rods 16 may be tubes.

It will be understood that the plate 11 may be secured in a cover. If desired, the plate 11 may be removably mounted in a cover provided with temporary clamping means of any known form for papers. When the binder is filled a clamping bar 17 with rods 16 projecting therefrom may be engaged with the tubular parts 10 and the plate 11 then be removed from the cover for storage.

In the form of the invention illustrated in Fig. 4 the tubular part 10 of the binding post is flattened and the slot 12 is formed in one flat wall; if desired the slot 12 may be formed in a narrow wall. In this form of binding post the inner rod 16 is also flat to conform to the shape of the tubular part 10.

Various modifications may be made without departing from the invention. For example, the outer part 10 may be provided with an inward projection such as a bar extending across it and the inner part may be tubular and provided with a slot or slots with which the projection or bar engages. The telescoping parts may

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be of any shape in section. A further projection or projections may be provided on the inner part 16 and the outer part may have two or more slots disposed to receive said projections.

The binding posts need not be mounted on a base plate 11 and a plate 17 may be secured to the parts 16 and 16 fitted with slots which may be flat, mushroom or round.

Having now particularly described and ascertained the nature of my said invention, I declare that what I claim to be performed, I declare that what I claim is:—

1. In or for a loose leaf binder or the like, a binding post comprising two parts of which one is a flat plate 11 adapted to receive the other part 16, said flat plate portion, the part being provided with a longitudinal slot 12 extending to one end and with a transverse bar 13 extending from the longitudinal slot, the other part being provided with a projection which when the two parts are forced together will slide along the longitudinal slot so as to be forced into the lateral slot to provide a permanent and non-releasable engagement of the two parts.

2. In or for a loose leaf binder or the like a binding post according to Claim 1 wherein the lateral slot extends on both sides of the longitudinal slot.

3. In or for a loose leaf binder or the like a binding post according to Claim 1 or 2 wherein the one part has a plurality of lateral slots with which the projection on the other part of the binding post can be caused to engage in succession.

4. In or for a loose leaf binder or the like a binding post according to Claims

1 or 2 or 3 wherein the or a lateral slot is triangular in shape with its apex directed towards the bottom of the longitudinal slot and the projection to engage said triangular slot is similar in shape.

5. In or for a loose leaf binder or the like a binding post according to Claim 2 or 3 or 4 wherein one part has a plurality of longitudinal slots and the other part a plurality of projections to engage said slots.

6. In or for a loose leaf binder or the like a binding post according to any one of Claims 1 to 4 wherein both parts are similar and the outer part has an inward projection such as a transverse bar to engage longitudinal slots in the inner part.

7. Binding means for papers and the like comprising a base plate having a plurality of members extending therefrom with which the papers are engaged and a binding bar having a plurality of members extending therefrom to engage the members extending from the base plate, said interengaging members comprising binding posts and having interengaging parts according to any one of Claims 1 to 6 which when the parts are placed together will interengage providing a permanent and non-releasable engagement of the parts.

8. Binding means for papers and the like according to Claim 7 and substantially as described with reference to the accompanying drawings.

Dated this 24th day of May, 1932.

For the Applicant,

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